

# Panasonic

## ideas for life

## Infrared Wireless Powered Speaker Kit

Infrared Wireless Powered Speaker  
**WX-LP100**

Infrared Wireless Microphone  
(Pendant Type) **WX-LT310**

Infrared Wireless Microphone  
(Hand Held Type) **WX-LT100**

**Ideal for classrooms,  
lecture rooms,  
and conference rooms!**



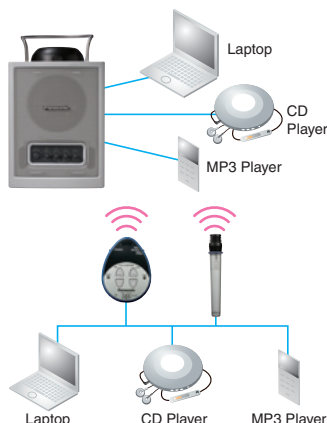
## All-in-one portable speaker instantly creates an environment where everyone can concentrate

The Panasonic WX-LP100 Infrared Wireless Powered Speaker incorporates 2ch infrared receiver, infrared sensor, amplifier and speaker in its compact unit. With high quality sound and versatile multimedia capability, the WX-LP100 changes teaching, learning and presenting environment all at once. It is an advanced educational and business tool made possible by Panasonic's world renowned audio technology.

### Plug and Play

Plug in the WX-LP100 to power Infrared Wireless Powered Speaker Kit with versatile multimedia capability. 2 microphones and 2 multimedia inputs can be used at a time.

With an external input terminal, the microphone can transmit an audio signal from any multimedia source to the WX-LP100. (The microphone cannot be used when connected to an external input.)



### Easy to carry

With compact, lightweight and rugged design, the WX-LP100 can be placed wherever you like.

### Easy to use

The power ON/OFF and 4 volume controls including 2 microphones and 2 multimedia inputs can easily be made on the front panel.

Plus, the pendant type microphone WX-LT310 is equipped with volume control buttons for own/other microphone and any multimedia source.



### Benefits

#### School

- Improves classroom management
- Increases students' interest and zeal
- Helps students achieve better results
- Reduces stress on small voice students and on whom trying to hear them

#### Business

- High privacy by infrared wireless technology to prevent interception
- Increases concentration and reduces voice fatigue
- Providing both hands free is so convenient
- No need for costly mounting or installation

## Key Features (WX-LP100)

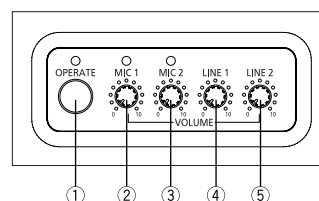
- Integrated dual channel infrared wireless receiver
- 2 audio multimedia inputs
- Remote control of wireless microphones and multimedia sources
- Wide horizontal dispersion for even coverage
- Compact, lightweight and rugged design for flexible placement
- Interference/interception-free made possible by infrared wireless technology
- Front panel controls for easy access
- Adjustable output for recording
- Adjustable output for assistive listening devices

## Specifications (WX-LP100)

Amplifier/Receiver Unit	
Power Source	24 V DC (Using the attached AC adaptor unit)
Power Consumption	450 mA
Infrared Sensor Input	75 Ω F type connector (with Sensor WX-LT310) Output power for Sensor: 22 V DC, 100 mA Max.
Receiving Channel (Sub Carrier Frequencies)	Ch1: 2.3 MHz, Ch2: 2.8 MHz
Receiving System	TRF (Tuned Radio Frequency)
Squelch Level	24 dBμV (including Sensor)
Tone Squelch Frequency	32.768 kHz
Line Input 1, 2	-12 dBV, unbalanced, ø3.5 mini jack (L and R mixing for stereo input)
Line Output	0 dBV, unbalanced, ø3.5 mini jack (Monaural audio output for L and R)
Volume Control*	changeable microphone volume by the 2 dB step (+6 dB ~ -16 dB) (Reset by power OFF/ON)
Speaker Type	12 cm Full Range Bass Reflex
Rated Output	6.3 W (4 Ω), Max: 10 W (4 Ω)
SPL	93 dB SPL, 1 m, 1 W
Distortion	Less than 1 %
Frequency Response	100 Hz ~ 15 kHz (Line input ~ Speaker output)
Operating Temperature	+5 °C ~ +35 °C
Dimensions	187 (W) x 309 mm (H) x 209 mm (D)
Weight	approx. 3.7 kg
Finish	AV medium gray ABS resin (similar to Munsell N7)
* Volume controllable Microphone: WX-LT310	
Infrared Sensor (attached)	
Power Source	22 V DC (supplied from Amplifier/Receiver unit)
Power Consumption	20 mA
Infrared Ray Wavelength	850 nm
Sensor Output	75 Ω F type connector
Receiving Channel (Sub Carrier Frequencies)	Ch1: 2.3 MHz, Ch2: 2.8 MHz
Dimensions	Max. ø113.5 mm x 34.5 mm (H) (excluding a projection for F type connector)
Weight	approx. 0.2 kg
Finish	Black color / Infrared ray transmission acrylic resin

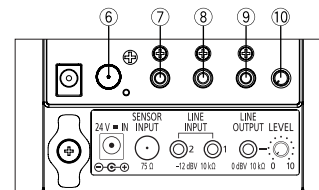
## Part Names and Functions (WX-LP100)

### Front Panel



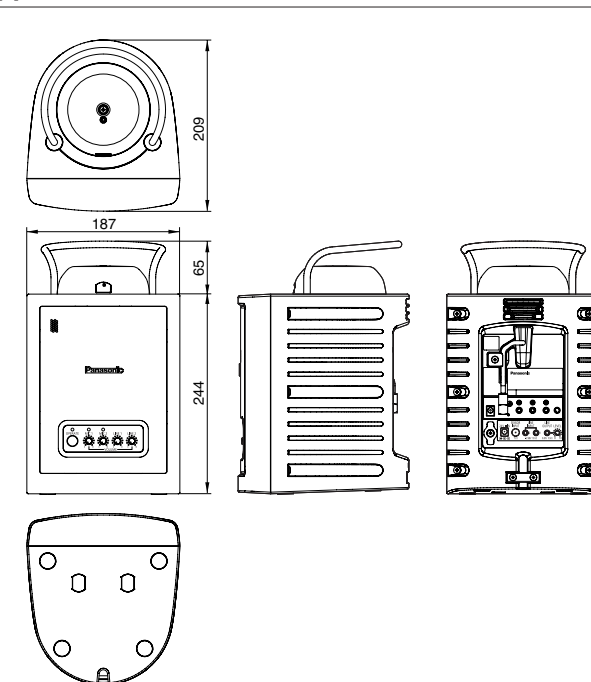
- ① OPERATE
- ② MIC 1 Volume Control
- ③ MIC 2 Volume Control
- ④ LINE 1 Volume Control
- ⑤ LINE 2 Volume Control

### Rear Panel



- ⑥ Sensor Input
- ⑦ Line Input 2
- ⑧ Line Input 1
- ⑨ Line Output
- ⑩ Line Output Volume Control

## Appearance (WX-LP100)



Unit: mm

## Infrared Wireless Powered Speaker Kit

<p>Infrared Wireless Powered Speaker <b>WX-LP100</b></p> <p>All-in one portable speaker incorporating 2ch receiver, sensor, amplifier and speaker.</p>	<p>Infrared Wireless Microphone (Pendant Type) <b>WX-LT310</b></p> <p>Hands-free pendant-style. Equipped with volume control buttons. Ideal for teachers' or presenters' use.</p> <p>* Shipped with strap attached.</p>	<p>Infrared Wireless Microphone (Hand Held Type) <b>WX-LT100</b></p> <p>Light weight, simple and basic design. Ideal for students' or audiences' use.</p>	<p>Battery Charger <b>WX-LZ110</b></p> <p>Direct connection. Allows simultaneous charging of two microphones. Can also serve as power cord for the charger stand.</p>	<p>Charger Stand <b>WX-LZ10</b></p> <p>Can charge batteries in approx. seven hours. Two microphones can be charged at the same time.</p> <p>* Comes with two WX-LT100 adaptors. Photo shows adaptor attached on left side.</p> <p>Microphones; option</p>
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### Important

– Safety Precaution: carefully read the operating instructions and installation manual before using this product.

- All TV pictures are simulated.
- Weights and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.

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